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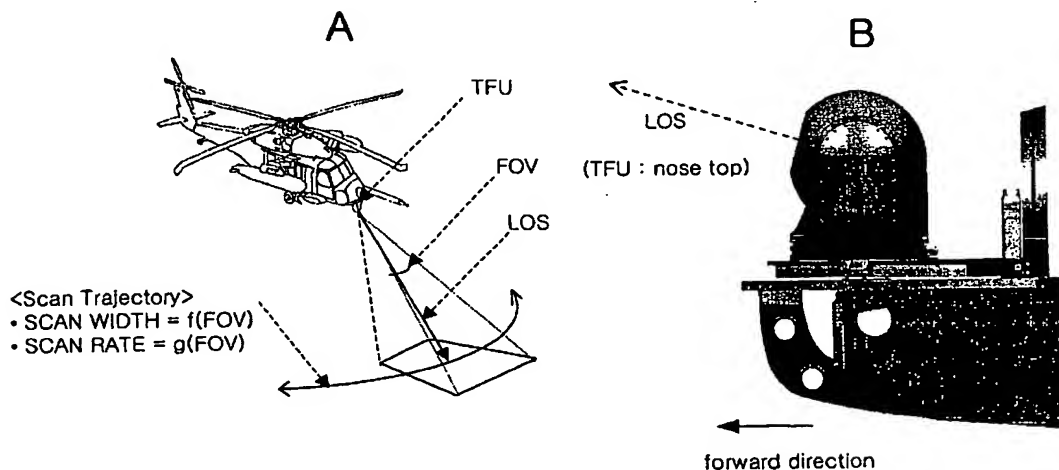
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(75) Inventor/Applicant (for US only): **HAN, Kee-Tae**
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Yoosung-Gu, Daejeon 305-770 (KR).
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Nonhyun-Dong, Gangnam-Gu, Seoul 135-010 (KR).
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(71) Applicant (for all designated States except US): **AGENCY FOR DEFENSE DEVELOPMENT**
[KR/KR]; Yoosung-Gu, Yoosung P.O.Box 35, Daejeon 305-600 (KR).
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(54) Title: **METHOD AND APPARATUS FOR SCANNING THE CAMERA LOS IN A CONTINUOUS ZOOM CAMERA SYSTEM**



(57) **Abstract:** A FOV(field of view) dependent LOS(line of sight) scan method and apparatus for a turret aided camera system with continuous zoom optics is disclosed. According to this invention, the scan width and rate of the LOS are automatically determined as a function of the FOV selected by the user: scan width = $f_1(\text{FOV}, m)$ and scan rate = $f_2(\text{FOV}, t_e)$ where m is the observation range constant and t_e is the eye integration time. Moreover, the sensitivity to the FOV can be controlled by adjusting the relevant parameter sets (said m and t_e), allowing the user to select the scan condition proper to himself. This invention is quite useful for all kinds of turret aided camera system (the IR or day light TV cameras) for reconnoitering application.